



SECTION 11

WORKING WITH REMOTE SERVERS

SECTION CHEAT SHEET

SSH:

SSH, or the “**secure shell**” protocol, is used to provide a secure connection to a shell on a remote system.

Connecting via SSH will enter you into a command-line shell on the remote system.

Syntax for connecting via ssh:

```
ssh user@ip
```

Note: If you are having difficulty connecting, you may have issues with your workplace’s firewall or security policies.

SCP:

SCP, or the “**secure copy**” protocol, is used to transfer files between machines over a secure SSH network connection.

In this section, we used SCP to transfer files between a remote server and our local system in both directions.

Syntax for scp:

```
scp source target
```

SOURCE: The source is where you want to copy *from*.

TARGET: The target is where you want to copy *to*.

Syntax to transfer from remote system to local system

```
cp user@ip:/path/to/file /path/to/destination
```

Syntax to transfer file from local system to remote system

```
scp /path/to/file user@ip:/path/to/destination
```
